AUTHOR INDEX, VOLUME 41

Section	March	June	Sept.	Dec.
ABSTRACTS	315	565	797	1079
ACKNOWLEDGEMENTS	—	—	—	1105
THE BIOMETRIC SOCIETY	—	—	817	—
BIOMETRICS EDITORIAL CHANGES	349	—	—	—
BOOK REVIEWS	341	591	811	1099
CORRECTIONS	351	—	821	1103
CORRESPONDENCE	311	561	795	1075

AABERGE, R. (see LAAKE, P.) 515
ABBEY, H. (see AUER, C. L.) 336
ÅBERG, A. (see WEDEL, H.) 1098
ABEYASEKERA, S. (see WILSON, I. M.) 599
ABREU, A. R. Abstract 4515 1092
ACHCAR, J. A. Abstract 4066 315
ACHCAR, J. A. (see BOLFARINE, H.) 1091
ADALSTEINSSON, S. Abstract 4457 1082
ADAMS, W. T. and SKOPEK, T. R. Abstract 4369 589
ADENA, M. A. Abstract 4371 797
ADENA, M. A. (see WATSON, L. R.) 804
AFIFI, A. A. (see CHANG, P. C.) 807
AFSARINEJAD, K. Abstract 4481 1086
AHLBOM, A., NORELL, S. E., and RODVALL, Y. Abstract 4530 1094
AHSANULLAH, M. Abstract 4150 328
AKSLAND, M. Abstract 4442 1079
ALHO, J. M. Abstract 4531 1095
AL-JELIHAWI, S. and ANDERSON, D. A. Abstract 4434 808
ALLDREDGE, J. R. and GATES, C. E. Line transect estimators for left-truncated distributions 273
ALVAREZ-DARDET, C. (see FERRANDIS, E.) 1095
ANDERSEN, P. K., BORCH-JOHNSEN, K., DECKERT, T., GREEN, A., HOUGAARD, P., KEIDING, N., and KREINER, S. A Cox regression model for the relative mortality and its application to diabetes mellitus survival data 921
ANDERSEN, S. Abstract 4482 1086
ANDERSON, D. A. (see AL-JELIHAWI) 808
ANDERSON, D. R., WILSON, K. P., WHITE, G. C., and BURNHAM, K. P. Abstract 4428 807
ANDERSON, D. R., WILSON, K. R., BURNHAM, K. P., and WHITE, G. C. Abstract 4224 565
ANDERSON, G. W. (see FOUTZ, R. V.) 29
ANDERSON, J. A. and PEMBERTON, J. D. The grouped continuous model for multivariate ordered categorical variables and covariate adjustment 875
ANDERSON, J. R. and BERNSTEIN, L. Asymptotically efficient two-step estimators of the hazards ratio for follow-up studies and survival data 733
ANDERSON, S. (see HAUCK, W. W.) 565
ANDERSON, S. and HAUCK, W. W. Correspondence 561
ANDRADE, D. F. (see CORRÊA DA SILVA, E.) 1092
ANDRADE, D. F. and NOLETO, A. Q. Abstract 4507 1090
ARBUTISKI, T. Abstract 4145 327
ARMITAGE, P. Abstract 4222 565
Abstract 4372 797
Abstract 4373 797
ARMITAGE, P. Biometry and medical statistics 823
ARMITAGE, P., STRATTON, I. M., and WORTHINGTON, H. V. Repeated significance tests for clinical trials with a fixed number of patients and variable follow-up 353
ARNASON, A. N. and SCHWARZ, C. J. Abstract 4077 317
ARNOLD, J. (see PHILLIPS, G. J.) 576
ARNOLD, J. (see WILLIAMS, C.) 576
ASCHMANN, H. (see NIENHAUS, R. H.) 1083
ASTON, C. Abstract 4374 797
ATILGAN, T. and NICHOLAS, H. Abstract 4139 327
ATKINSON, E. N. and BROWN, B. W. Confidence limits for probability of response in multistage Phase II clinical trials 741
AUER, C. L., HIRST, L. W., and ABBEY, H. Abstract 4204 336

BABLOK, W. (see PASSING, H.) 1086
BAER, J. C. (see WILSON, P. D.) 584
BAILAR, J. C., III (see LAVORI, P. W.) 320
BAILAR, J. C., III (see LOUIS, T. A.) 319
BAILAR, J. C., III, LOUIS, T. A., LAVORI, P. W., and POLANSKY, M. Abstract 4094 320
BAILEY, K. (see LAKATOS, E.) 319
BAILEY, K. R. (see MACHADO, S. G.) 539
BAILEY, R. C. Abstract 4268 572
BAKER, S. P. Abstract 4136 326
BANKS, D. L. Abstract 4364 589
BARBIN, D. (see PADOVANI, C. R.) 1091
BARÓN, A. E. Abstract 4197 335
BARRETO, J. N. (see CORRÊA DA SILVA) 1093
BARRETO, J. N. (see PEIXOTO, T. C.) 1093
BARRETO, J. N. (see RIEDE, C. R.) 1093
BASSON, R. P., WAGNER, J. F., and SIECK, R. F. Abstract 4342 585
BATTAGLIA, R. and KLUGH, B. Abstract 4172 332
BAUGHMAN, A. (see RHODES, P.) 323
BAUMANN, G. (see EASTON, G. S.) 584
BAUMANN, G. and EASTON, G. S. Abstract 4244 568
BAUR, M. P. Abstract 4460 1082

BAUR, M. P. (see NEUGEBAUER, M.) 1085
BAYARD, S. (see MARGOSCHES, E. H.) 579
BECHER, H. and WAHRENDORF, J. Abstract 4461 1082
BECKER, N. G. Abstract 4375 797
BECKMANN, M. (see WICHMANN, H. E.) 1098
BEGG, C. B. (see KALISH, L. A.) 327
BEISER, A. (see SELWYN, M. R.) 567
BEITLER, P. J. and LANDIS, J. R. A mixed-effects model for categorical data 991
BELLE, S. H. and WOLFE, R. A. Abstract 4112 323
BENDEL, R. Abstract 4432 807
BENICHOU, J. and CHASTANG, CL. Abstract 4503 1089
BENNETT, D. A. and TODD, M. J. Abstract 4344 586
BENTLER, P. M. (see BONETT, D. G.) 745
BERGAMIN FILHO, A. (see FEGIES, N. C.) 315
BERGAMIN FILHO, A. and MENDES, B. M. J. Abstract 4065 315
BERNSTEIN, L. (see ANDERSON, J. R.) 733
BERRY, G. Abstract 4376 798
BILLARD, L. (see DAYANANDA, P. W. A.) 798
BINET, J. L. (see CHASTANG, CL.) 1090
BIRKETT, T. Abstract 4272 573
BLACKITH, R. E. Book Review 347
BLACKSTONE, E. H., KIRKLIN, J. W., NAFTEL, D. C., and TURNER, M. E. Abstract 4320 581
BLACKSTONE, E. H., NAFTEL, D. C., and TURNER, M. E. Abstract 4319 581
BODERO, J. Abstract 4377 798
BODIAN, C. A. Abstract 4178 333
BOEHNKE, M. Abstract 4267 572
BOLFARINE, H. and ACHCAR, J. A. Abstract 4511 1091
BOLLINGER, R. R. (see DELONG, E. R.) 947
BOLUMAR, F. (see FERRANDIS, E.) 1095
BOND, D. C. (see CARTER, N. J.) 808
BONETT, D. G., WOODWARD, J. A., and BENTLER, P. M. Some extensions of a linear model for categorical variables 745
BOOTH, G. D. Abstract 4101 321
BORCH-JOHNSEN, K. (see ANDERSEN, P. K.) 921
BORGAN, Ø. Abstract 4532 1095
BOSWELL, M. T. and PATIL, G. P. Abstract 4351 587
BOYLE, K. E. Abstract 4163 330
BOYLE, K. E. and STARR, T. B. Abstract 4291 576
BOZDOGAN, H. Abstract 4312 580
BOZDOGAN, H. and RAMIREZ, D. E. Abstract 4193 335
Abstract 4300 578
BRAUN, H. I., MONTGOMERY, M., and RICHARDS, T. Abstract 4162 330
BREEN, T. Abstract 4233 567
BREEN, T. J. (see CHINCHILLI, V. M.) 578
BREEN, T. J. (see FINMAN, J. S.) 588
BRESLOW, N. Book Review 594
BRIGNANI NETO, F. Abstract 4076 317
BRINSON, M. M. (see O'BRIEN, K. F.) 328
BRISTOL, D. R. and PATEL, H. I. Abstract 4355 587
BROBERG, P. Abstract 4447 1080
BROMENSHENK, J. (see YAMASAKI, G. M.) 322
BROOKMEYER, R., DAY, N. E., and POMPE-KIRN, V. Abstract 4341 585
BROOKMEYER, R. and SELF, S. G. The effect of additional follow-up and accrual on survival time data 129
BROOKS, C. A., JONES, A. M., CLARK, R. R., and HADGU, A. Abstract 4117 323
BROSS, I. D. Reader Viewpoint: Why proof of safety is much more difficult than proof of hazard 785
BROWN, B. W. (see ATKINSON, E. N.) 741
BROWN, B. W., Jr (see WHITTEMORE, A.) 809
BROWN, C. H. Abstract 4207 337
Abstract 4278 574
BROWN, C. H. and ZEGER, S. Abstract 4275 573
BROWN, E. N. Abstract 4332 583
BROWN, R. A. (see SENN, S. J.) 555
BROWNIE, C. and POLLOCK, K. H. Analysis of multiple capture–recapture data using band-recovery methods 411
BRUMM, E. A. Abstract 4227 566
BRUNNER, E. Abstract 4478 1085
BUCKLAND, S. Abstract 4217 338
BUCKLAND, S. T. Perpendicular distance models for line transect sampling 177
BULMER, M. G. Book Review 1101
BURGUT, H. R. and RAO, B. R. Abstract 4202 336
BURK, T. E. (see NEWBERRY, J. D.) 331
BURNHAM, K. P. (see ANDERSON, D. R.) 565, 807
BURNS, J. C. (see GIESBRECHT, F. G.) 477
BUSK, P. L. (see MARACUILO, L. A.) 569
BUTLER, J. (see HERTZBERG, V. S.) 582
BUTLER-NANCE, S. A. Abstract 4438 808

CALABRESE, E. J. (see STODDARD, A. M.) 584
CALÍNSKI, T. and CORSTEN, L. C. A. Clustering means in ANOVA by simultaneous testing 39
CALVIN, J. A. Abstract 4132 326
CAMPBELL, E. D. (see CARTER, W. H.) 1076
CAMPBELL, E. D. (see CARTER, W. H., Jr) 574
CAMPBELL, M. J. Book Review 813
CAMPOS, H. (see NOGUEIRA, M. C. S.) 1092
CANNINGS, C. Book Review 815
CANTATORE DE FRANK, N. M. Abstract 4067 315
Abstract 4509 1091
CANTOR, A. B. (see KNAPP, R. G.) 333
CANTOR, R. M., CHIU, C.-Y., and KABACK, M. M. Abstract 4141 327
CARCHMAN, R. A. (see CARTER, W. H., Jr) 574
CARROLL, S. S. (see MAYER, L. S.) 809
CARTER, E. M. and HUBERT, J. J. Analysis of parallel-line assays with multivariate responses 703
CARTER, N. J. and BOND, D. C. Abstract 4437 808
CARTER, R. L., THURMOND, M. T., and MADEN, C. B. Abstract 4167 331
CARTER, W. H., CHINCHILLI, V. M., CAMPBELL, E. D., and WAMPLER, G. L. Correspondence 1076
CARTER, W. H., Jr, CHINCHILLI, V. M., WILSON, J. D., CAMPBELL, E. D., KESSLER, F. K., and CARCHMAN, R. A. Abstract 4282 574
CASTELLANA, J. V. and PATEL, H. I. Analysis of two-period crossover design in a multicenter clinical trial 969

CATCHPOLE, E. A. and MORGAN, B. J. T. Abstract 4378 798
CAUSTON, D. R. Book Review 595
CECCE, M. A. Abstract 4361 588
CHANG, P. C. and AFIFI, A. A. Abstract 4431 807
CHARPAK, Y. and CHASTANG, CL. Abstract 4505 1090
CHASSAN, J. Abstract 4250 569
CHASTANG, CL. (see BENICHOU, J.) 1089
CHASTANG, CL. (see CHARPAK, Y.) 1090
CHASTANG, CL., TRAVADE, PH., DIGHIERO, G., and BINET, J. L. Abstract 4504 1090
CHAUHAN, C. and DEAN, A. Abstract 4128 325
CHEN, C. C. and SINGH, J. Abstract 4185 334
CHEN, C.-Y. (see CHRISTENSEN, E. R.) 711
CHENG, P. E. and LIN, G. D. Abstract 4158 329
CHIANG, C. L. Reader Reaction: What is biostatistics? 771
CHINCHILLI, V. M. (see CARTER, W. H.) 1076
CHINCHILLI, V. M. (see CARTER, W. H., Jr) 574
CHINCHILLI, V. M. (see SCHWAB, B. H.) 578
CHINCHILLI, V. M. and BREEN, T. J. Abstract 4299 578
CHIU, C.-Y. (see CANTOR, R. M.) 327
CHRISTENSEN, E. R. and CHEN, C.-Y. A general noninteractive multiple toxicity model including probit, logit, and Weibull transformations 711
CHRISTENSON, P. D. Abstract 4195 335
CHRISTIAN, R. R. (see O'BRIEN, K. F.) 328
CHRISTIANSEN, F. B. Abstract 4458 1082
CIAMPI, A. (see ETEZADI-AMOLI, J.) 329
CIMINERA, J. L. (see TUKEY, J. W.) 295
CLARK, G. M. (see HEARNE, E. M.) 329
CLARK, R. R. (see BROOKS, C. A.) 323
CLARKE, G. M. Book Review 596
CLAYSON, D. B. (see GODDARD, M. J.) 321
CLEMMER, A. F. and KALSBEEK, W. D. Abstract 4290 576
CLERGET-DARPOUX, F. Abstract 4477 1085
CLOBERT, J. and LEBRETON, J. D. Dépendance de facteurs de milieu dans les estimations de taux de survie par capture–recapture 1031
COBB, L. (see SMITH, C. E.) 335
COLGAN, P. W. and SMITH, J. T. Experimental analysis of food preference transitivity in fish 227
COLLINGS, B. and HAMILTON, M. Abstract 4435 808
CONAGIN, A. Abstract 4528 1094
CONDON, R. J. Abstract 4343 585
CONNER, M. C. (see POLLOCK, K. H.) 653
CONROY, M. J. (see NICHOLS, J. D.) 317
CONROY, M. J. (see WINTERSTEIN, S. R.) 581
CONYERS, R. A. J. (see JAMES, A. T.) 467
COOK, J. A. Abstract 4188 334
COOPE, P. A. (see WELLS, J. E.) 805
COPAS, J. B. (see LAIPPALA, P.) 336
CORMACK, R. M. Abstract 4441 1079
CORRÊA DA SILVA, E., QUEIROZ RIBEIRO, V., and ANDRADE, D. F. Abstract 4516 1092
CORRÊA DA SILVA, J. G. (see PEIXOTO, T. C.) 1093
CORRÊA DA SILVA, J. G. and BARRETO, J. N. Abstract 4521 1093
CORSTEN, L. C. A. (see CALÍNSKI, T.) 39
COTTEL, W. I., DALY, D. M., and DRANE, J. W. Abstract 4349 586
COWAN, R. Branching process results in terms of moments of the generation-time distribution 681
COX, C. P. Interval estimates for the ratio of the means of two normal populations with variances related to the means 261
Correction 1103
CRÉPEAU, H., KOZIOL, J., REID, N., and YUH, Y. S. Analysis of incomplete multivariate data from repeated measurement experiments 505
CRESSIE, N. Abstract 4084 318
CROCCI, A. J. and GODOI, C. R. M. Abstract 4071 316
CROSBIE, S. F. and MANLY, B. F. J. Parsimonious modelling of capture–mark–recapture studies 385
CRUMP, K. S., NG, T.-H., and STOBER, J. A. Abstract 4103 321
CRUZ, V. F. (see SAHÃO, J., JR) 1091
CRYER, P. C. Abstract 4379 798
CURNOW, R. N. Book Review 595
CUZICK, J. A method for analysing case–control studies with ordinal exposure variables 609

DAHM, P. F. and GATES, C. E. Abstract 4127 325
DALE, J. D., HASLETT, S. J., and RENNER, R. M. Abstract 4399 801
DALLAL, G., FINCH, S., and MENDELL, N. R. Abstract 4368 589
DALY, D. M. (see COTTEL, W. I.) 586
D'ARGENIO, D. Z. (see KATZ, D.) 329
DARROCH, J. N. (see McCLOUD, P. I.) 800
DAVID, H. A. Book Review 1099
DAVID, H. A. and HA, I.-H. Replacement of parents by meritorious offspring in within-family selection 1045
DAVIS, C. B. and POPA, V. T. Abstract 4151 328
DAVIS, L. J. Generalization of the Mantel–Haenszel estimator to nonconstant odds ratios 487
DAWID, A. P. Book Review 341
DAY, N. E. (see BROOKMEYER, R.) 585
DAYANANDA, P. W. A. and BILLARD, L. Abstract 4380 798
DEAN, A. (see CHAUHAN, C.) 325
DEBANNE, S. M., SOKOL, R. J., MARTIER, S., and LEE, J.-C. Abstract 4161 330
DECAMPOS, H. (see MUNIZ, J. A.) 1093
DECKERT, T. (see ANDERSEN, P. K.) 921
DELONG, E. R., VERNON, W. B., and BOLLINGER, R. R. Sensitivity and specificity of a monitoring test 947
DELONGCHAMP, R., YOUNG, J., and FELTON, P. Abstract 4100 321
DEMATÉ, M. E. S. P. (see SOUKUP, C. U. B.) 316
DEMENT, J. M. (see GAYNOR, J. J.) 331
DEMETS, D. L. and GAIL, M. H. Use of logrank tests and group sequential methods at fixed calendar times 1039
DEMPSTER, A. P. (see SELWYN, M. R.) 561
DENBY, L. and VARDI, Y. Abstract 4330 583
DEPINHO, S. Z. (see MISCHAN, M. M.) 1090
DESJARDINS, R. B. (see SYMONS, M. J.) 573
DEVOL, E. B. (see WOLFE, R. A.) 566
DICKEY, D. A. (see SAID, S. E.) 574

DIGHIERO, G. (see CHASTANG, C.) 1090
DIKMEN, S. (see TEMKIN, N.) 322
DINSE, G. E. Abstract 4176 332
DINSE, G. E. Testing for a trend in tumor prevalence rates: I. Nonlethal tumors 751
DOBSON, A. J. Abstract 4381 798
Abstract 4533 1095
DONNER, A. and WELLS, G. Abstract 4123 324
DONNER, A. P. (see KOVAL, J. J.) 324, 577
DORNSEIF, B. E. Abstract 4308 579
DRANE, J. W. (see COTTEL, W. I.) 586
DUARTE, G. S., SILVEIRA, J. V., and VEIGA, R. D. Abstract 4510 1091
DUFFY, D. and SANTNER, T. Abstract 4310 580
DUNNETT, C. W. Abstract 4259 571
DYCK, P. J. (see O'BRIEN, P. C.) 237, 1073
DYKACZ, J. M. Abstract 4133 326

EASTON, G. S. (see BAUMANN, G.) 568
EASTON, G. S. and BAUMANN, G. Abstract 4333 584
EDLER, L. Abstract 4470 1084
EDWARDS, D. (see SPURRIER, J. D.) 325
EKBOHM, G. Abstract 4483 1086
EKLUND, G. Abstract 4534 1095
ELASHOFF, R. M. (see MICKEY, R. M.) 623
ELLIOTT, J. R. Abstract 4171 332
ELSWICK, R. K., Jr. Abstract 4313 580
EMERSON, J. D. and MOSES, L. E. A note on the Wilcoxon–Mann–Whitney test for $2 \times k$ ordered tables 303
EMIGH, T. H. Abstract 4129 325
ENGEN, S. Abstract 4454 1081
ENTWISLE, B. (see MASON, W. M.) 320
ERIKSSON, A. W. (see FELLMAN, J. O.) 1080
ERLANDSEN, M. and MORTENSEN, E. Abstract 4448 1080
ESSEX-SORLIE, D. (see IMREY, P. B.) 570
ESTERBY, S. R. Abstract 4173 332
ETEZADI-AMOLI, J. and CIAMPI, A. Abstract 4159 329
EVERITT, B. S. Book Review 342
EWENS, W. J. Abstract 4382 798

FAGERSTRÖM, T. Abstract 4455 1081
FAIRCLOUGH, D. L. and HELMS, R. W. Abstract 4126 325
Abstract 4328 583
FAIRWEATHER, W. R. Abstract 4353 587
FAREWELL, V. T. A statistical model for the study of self-fertilization in plants 727
FECSO, R. Abstract 4271 573
FEGIES, N. C., MENDES, B. M. J., PAIVA, S. B., and BERGAMIN FILHO, A. Abstract 4068 315
FELLMAN, J. O. and ERIKSSON, A. W. Abstract 4451 1080
FELTON, P. (see DELONGCHAMP, R.) 321
FENECH, A. P. (see HARVILLE, D. A.) 137
FENERICH, F. L. Abstract 4070 316
FERRANDIS, E., NOLASCO, A., ALVAREZ-DARDET, C., and BOLUMAR, F. Abstract 4535 1095
FINCH, S. (see DALLAL, G.) 589
FINKELSTEIN, D. M. Abstract 4190 334
Abstract 4306 579
FINKELSTEIN, D. M. and WOLFE, R. A. A semiparametric model for regression analysis of interval-censored failure time data 933
FINMAN, J. S., BREEN, T. J., and SHUSTER, J. J. Abstract 4362 588
FIRBANK, L. G. Abstract 4210 337
FLANDERS, W. D. A new variance estimator for the Mantel–Haenszel odds ratio 637
FLÜHLER, H. Book Review 343
FOUTZ, R. V., JENSEN, D. R., and ANDERSON, G. W. Multiple comparisons in the randomization analysis of designed experiments with growth curve responses 29
FOWLER, G. Abstract 4323 582
FRAMSTAD, E. Abstract 4449 1080
FRANCIS, C. A. (see PARKHURST, A. M.) 325
FRANKLIN, L. A. Abstract 4286 575
FREEDMAN, L. S. Book Review 812
FREEMAN, G. H. Book Reviews 342, 1099
FREUND, R. J. Abstract 4285 575
FRIEND, N. (see WHITTEMORE, A.) 809
FRIIS, E. Abstract 4484 1086
FURNIVAL, G. M. (see VALENTINE, H. T.) 571

GAIL, M. and SIMON, R. Testing for qualitative interactions between treatment effects and patient subsets 361
GAIL, M. H. (see DEMETS, D. L.) 1039
GAIL, M. H. (see TAN, W. Y.) 588
GAIL, M. H., WIEAND, S. H., and PIANTADOSI, S. Abstract 4144 327
GART, J. J. (see NAM, J.) 455
GARZON, J. (see LANDAHL, H. D.) 806
GATES, C. E. (see ALLDREDGE, J. R.) 273
GATES, C. E. (see DAHM, P. F.) 325
GAYNOR, J. J., SYMONS, M. J., and DEMENT, J. M. Abstract 4165 331
GEMMELL, M. A. (see ROBERTS, M. G.) 802
GEORGE, S., HUI, S., O'FALLON, W., WILLIAMS, G., and TILLEY, B. C. Abstract 4247 569
GERALDI, I. O. and MIRANDA FILHO, J. B. Abstract 4529 1094
GERAMITA, J. M. and SMITH, J. T. Using the correct standard errors in comparing subpopulation survival rates in marked populations 281
GERTNER, G. Abstract 4280 574
GIESBRECHT, F. G. and BURNS, J. C. Two-stage analysis based on a mixed model: Large-sample asymptotic theory and small-sample simulation results 477
GIGAULT, R. Abstract 4502 1089
GILBERT, A. (see ZELTERMAN, D.) 328
GILBERT, E. S. Abstract 4164 330
GIVENS, S. V. (see WHITE, R. F.) 586
GLADEN, B. C. Abstract 4265 572
GODDARD, M. J., KREWSKI, D., and CLAYSON, D. B. Abstract 4102 321
GODOI, C. R. M. (see CROCCI, A. J.) 316
GODOI, C. R. M. (see MALHEIROS, E. B.) 317
GOLDMAN, A. I. and UCKUN, F. Abstract 4309 579
GOLDSTEIN, H. Book Review 811
GOLUB, G. H. Abstract 4383 799
GOMES, M. DE B. Abstract 4527 1094
GOOD, I. J. (see HOLTZMAN, G. I.) 589
GOOD, I. J. and MITTAL, Y. Abstract 4240 567
GORDON, A. D. Book Review 345
GOTTSCHAU, A. Abstract 4485 1086
GOULD, A. L. (see LENGERICH, R. A.) 582

GRAHAM, C. K. and LaCHANCE, L. E. Abstract 4152 329
GRAY, H. and STANEK, E. Abstract 4125 325
GREEN, A. (see ANDERSEN, P. K.) 921
GREEN, E. J. and STRAWDERMAN, W. E. Abstract 4262 571
GREENBERG, B. G. (see JANIS, J. M.) 320
GREENLAND, S. and ROBINS, J. M. Estimation of a common effect parameter from sparse follow-up data 55
GREGG, M. H. Abstract 4302 578
GRIEVE, A. P. Abstract 4469 1084
GRIEVE, A. P. A Bayesian analysis of the two-period crossover design for clinical trials 979
GRIFFITHS, R. C. Abstract 4384 799
GROSS, A. J. (see KNAPP, R. G.) 333
GROSS, A. J. (see SPIVEY, L. B.) 323
GROSSMAN, E. (see SELF, S. G.) 323
GRUE, C. E. (see NICHOLS, J. D.) 570
GUNN, R. D. (see JOHNSON, R. E.) 326
GUNST, R. F. (see LAKSHMINARAYANAN, M. Y.) 574

HA, I.-H. (see DAVID, H. A.) 1049
HABER, M. Abstract 4184 334
HABIB, M. (see SEN, P. K.) 568
HADGU, A. (see BROOKS, C. A.) 323
HAKAMA, M. Abstract 4536 1096
HALL, N. R. (see SELWYN, M. R.) 561
HALL, P. Counting methods for inference in binary mosaics 1049
HALVORSEN, K. T. Abstract 4199 336
Abstract 4316 580
HAM, K. S. (see RAMASWAMY, K.) 337
HAMILTON, M. (see COLLINGS, B.) 808
HARVILLE, D. A. and FENECH, A. P. Confidence intervals for a variance ratio, or for heritability, in an unbalanced mixed linear model 137
HASFORD, J. (see MESSERER, D.) 1085
HASLETT, S. J. (see DALE, J. D.) 801
HAUCK, W. W. (see ANDERSON, S.) 561
HAUCK, W. W. and ANDERSON, S. Abstract 4223 565
HAUPT, H. (see WICHMANN, H. E.) 1098
HAUX, R. Abstract 4462 1083
HAYES, S. C. Abstract 4249 569
HEALY, M. J. R. Book Reviews 345, 812
HEARNE, E. M., MASON, R. L., and CLARK, G. M. Abstract 4156 329
HEINONEN, O. P. Abstract 4537 1096
HEITJAN, D. Abstract 4307 579
HELLAND, I. S. Abstract 4486 1087
HELMS, R. W. Abstract 4082 318
HELMS, R. W. (see FAIRCLOUGH, D. L.) 325, 583
HENDRICKSON, J. A., Jr. Abstract 4186 334
HEPP, G. R. (see NICHOLS, J. D.) 570
HERR, D. G. Abstract 4134 326
HERTZBERG, V. S. and BUTLER, J. Abstract 4325 582
HEUCH, I. Abstract 4456 1081
HEWETT, J. E. and MOESCHBERGER, M. Abstract 4324 582
HEWITT, C. C. Abstract 4098 321
HEYSE, J. F. (see TUKEY, J. W.) 295
HINES, J. E. (see NICHOLS, J. D.) 570
HINES, J. E. (see POLLOCK, K. H.) 399
HINZ, P. N. Abstract 4487 1087
HIRST, L. W. (see AUER, C. L.) 336
HOCHBERG, Y. Abstract 4258 571
HOCHBERG, Y. (see TAMHANE, A. C.) 571
HOENIG, J. M. and LAWING, W. D. Abstract 4107 322
HOFFMANN, O. Abstract 4472 1084
HOGAN, M. (see KUPPER, L.) 572
HOLFORD, T. R. Abstract 4096 320
HOLLY, E. (see WHITTEMORE, A.) 809
HOLTZMAN, G. I. and GOOD, I. J. Abstract 4370 589
HOPPER, J. Abstract 4385 799
HOUGAARD, P. Abstract 4538 1096
HOUGAARD, P. (see ANDERSEN, P. K.) 921
HUBERT, J. J. (see CARTER, E. M.) 703
HUDSON, R. R. and KAPLAN, N. Abstract 4266 572
HUI, S. (see GEORGE, S.) 569
HUI, S. L. Correspondence 1075
HUI, S. L. and ROSENBERG, S. H. Multivariate slope ratio assay with repeated measurements 11
HUNT, R. D. Book Review 594
HUQUE, M. F. Abstract 4357 588
HURST, D. (see SHAMSA, F.) 330

IACHAN, R. Optimum stratum boundaries for shellfish surveys 1053
IGLEWICZ, B. (see PAJAK, T. F.) 328
IGNACZAC, J. C. Abstract 4072 316
IMREY, P. B., ESSEX-SORLIE, D., and MIROWSKY, J., III Abstract 4253 570
INGRAM, D. D. Abstract 4192 335
ISACSON, P. E. (see LACHENBRUCH, P. A.) 566

JAMES, A. T. and CONYERS, R. A. J. Estimation of a derivative by a difference quotient: Its application to hepatocyte lactate metabolism 467
JAMES, K. E. Response to Reader Reaction: Estimating treatment effects in clinical trials subject to regression to the mean 559
JANIS, J. M., KUPPER, L. L., KARMOUS, A., and GREENBERG, B. G. Abstract 4095 320
JEFFERS, J. Abstract 4221 339
JENSEN, D. R. Abstract 4225 565
JENSEN, D. R. (see FOUTZ, R. V.) 29
JEYARATNAM, S. Abstract 4203 336
JÖCKEL, K.-H. Abstract 4480 1083
JOHNSON, E. G. and ROUTLEDGE, R. D. The line transect method: A nonparametric estimator based on shape restrictions 669
JOHNSON, R. E. and GUNN, R. D. Abstract 4135 326
JONES, A. M. (see BROOKS, C. A.) 323
JONES, J. W. Abstract 4273 573
JONES, R. H. Abstract 4081 318
JUST, L. J. Abstract 4346 586

KABACK, M. M. (see CANTOR, R. M.) 327
KALISH, L. A. and BEGG, C. B. Abstract 4143 327
KALLIANPUR, G. and WOLPERT, R. Abstract 4246 568
KALSBEEK, W. D. (see CLEMMER, A. F.) 576
KAPLAN, N. (see HUDSON, R. R.) 572
KARLOF, J. and MENDELL, N. Abstract 4295 577
KARMOUS, A. (see JANIS, J. M.) 320

KATZ, D. and D'ARGENIO, D. Z. Abstract 4154 329
KEIDING, N. Abstract 4539 1096
KEIDING, N. (see ANDERSEN, P. K.) 921
KEMP, A. W. Book Review 1100
KEMP, A. W. (see KEMP, C. D.) 596, 597, 815, 1101
KEMP, C. D. Book Review 1100
KEMP, C. D. and KEMP, A. W. Book Reviews 596, 597, 815, 1101
KENWARD, M. G. The use of fitted higher-order polynomial coefficients as covariates in the analysis of growth curves 19
KESSLER, F. K. (see CARTER, W. H., Jr) 574
KHAMIS, H. J. Abstract 4140 327
KHAN, N. Abstract 4196 335
KIRKLIN, J. W. (see BLACKSTONE, E. H.) 581
KIRTON, H. Abstract 4386 799
KLEIN, J. P. (see MOESCHBERGER, M. L.) 253, 572
KLEIN, J. P. and MOESCHBERGER, M. L. Abstract 4111 322
KLUGH, B. (see BATTAGLIA, R.) 332
KNAPP, R. G., GROSS, A. J., and CANTOR, A. B. Abstract 4179 333
KÖBBERLING, J. (see TILLIL, H.) 1083
KOCH, A. S. (see NIENHAUS, R. H.) 1083
KODELL, R. L. Abstract 4086 318
KONISHI, S. Testing hypotheses about interclass correlations from familial data 167
KOOP, J. C. Abstract 4348 586
KOPTUR, S. Abstract 4214 338
KOUTROUVELIS, I. A. (see STABLEIN, D. M.) 643
KOVAL, J. J. and DONNER, A. P. Abstract 4120 324
Abstract 4294 577
KOZIOL, J. (see CRÉPEAU, H.) 505
KRAEMER, D. F., WOOLSON, R. F., and WITTE, D. L. Abstract 4118 324
KRÄMER, U. Abstract 4540 1096
KREINER, S. (see ANDERSEN, P. K.) 921
KREWSKI, D. (see GODDARD, M. J.) 321
KRISTENSEN, A. R. Abstract 4488 1087
KRONKA, S. N. Abstract 4526 1094
KUEHL, R. O. Abstract 4436 808
KULKARNI, R. (see SWAROOP, R.) 807
KUNE, G. A. (see WATSON, L. R.) 804
KUNE, S. (see WATSON, L. R.) 804
KUNG, F. H. Abstract 4108 322
KUPPER, L., HOGAN, M., and YAMAMOTO, E. Abstract 4264 572
KUPPER, L. L. (see JANIS, J. M.) 320
KUSHNER, H. B. (see LASKA, E. M.) 547

LAAKE, K. (see LAAKE, P.) 515
LAAKE, P., LAAKE, K., and AABERGE, R. On the problem of measuring the distance between distribution functions: Analysis of hospitalization versus mortality 515
LÄÄRÄ, E. Abstract 4542 1097
LaCHANCE, L. E. (see GRAHAM, C. K.) 329
LACHENBRUCH, P. A. Book Review 593
LACHENBRUCH, P. A. and ISACSON, P. E. Abstract 4232 566
LAGAKOS, S. W. (see RYAN, L. M.) 319
LAIPPALA, P. and COPAS, J. B. Abstract 4201 336
LAIRD, N. Abstract 4234 567
LAIRD, N. M. (see WARE, J. H.) 318
LAKATOS, E. and BAILEY, K. Abstract 4090 319
LAKSHMINARAYANAN, M. Y. and GUNST, R. F. Abstract 4284 575
LAN, K. K. G. and WITTES, J. T. Rank tests for survival analysis: A comparison by analogy with games 1063
LANCIA, R. A. (see POLLOCK, K. H.) 653
LANDAHL, H. D., GARZON, J., and LEE, N. M. Abstract 4423 806
LANDIS, J. R. Abstract 4235 567
LANDIS, J. R. (see BEITLER, P. J.) 991
LANE, W. R. (see LOONEY, S. W.) 584
LANKE, J. Abstract 4541 1097
LASKA, E. M., KUSHNER, H. B., and MEISNER, M. Reader Reaction: Multivariate bioassay 547
LATORRE, G. Abstract 4109 322
LAVORI, P. W. (see BAILAR, J. C., III) 320
LAVORI, P. W. (see LOUIS, T. A.) 319
LAVORI, P. W., LOUIS, T. A., BAILAR, J. C., III, and POLANSKY, M. Abstract 4093 320
LAW, R. Abstract 4216 338
LAWING, W. D. (see HOENIG, J. M.) 322
LAWSON, J. R. (see ROBERTS, M. G.) 802
LAWTON, J. H. Abstract 4213 338
LEBRETON, J. D. (see CLOBERT, J.) 1031
LECOUTRE, B. and ROUANET, H. Abstract 4501 1089
LEE, J.-C. (see DEBANNE, S. M.) 330
LEE, N. M. (see LANDAHL, H. D.) 806
LEFANTE, J. J., Jr (see MISHRA, S. N.) 580
LEHMACHER, W., REMMERS, A., and SCHULZ, K. Abstract 4463 1083
LEIGHTY, R. M. Abstract 4182 333
LELLOUCH, J. (see MOREAU, T.) 245
LeMINOR, M. (see MOREAU, T.) 245
LENGERICH, R. A., GOULD, A. L., SNAPINN, S. M., and SAPPINGTON, E. N. Abstract 4326 582
LETTENMAIER, D. P. (see MILLARD, S. P.) 806
LIANG, J. (see TU, E. J.-C.) 585
LIANG, K.-Y. Abstract 4360 588
LIANG, K.-Y. (see ZEGER, S. L.) 582
LIANTO, S. and McGILCHRIST, C. A. Abstract 4387 799
LIMA, P. C. and MORAES, R. S. Abstract 4517 1092
LIN, G. D. (see CHENG, P. E.) 329
LINDGREN, D. Cost-efficient number of test sites for ranking entries in field trials 887
LINDLEY, D. V. Abstract 4388 799
LITTELL, R. C. Abstract 4229 566
LIU, J.-P. Abstract 4283 575
LO, N. C. H. Abstract 4169 331
LOCKHART, S. H. and THALER, H. T. Abstract 4189 334
LONGFORD, N. Correspondence 1075
LOONEY, S. W., LANE, W. R., and WANSLEY, J. W. Abstract 4336 584
LORENZEN, T. J. Abstract 4228 566
LOUIS, T. A. (see BAILAR, J. C., III) 320
LOUIS, T. A. (see LAVORI, P. W.) 320
LOUIS, T. A., LAVORI, P. W., BAILAR, J. C., III, and POLANSKY, M. Abstract 4092 319
LOW, L. Y. Abstract 4137 326
LUBIN, J. H. Case–control methods in the presence of multiple failure times and competing risks 49

MACHADO, A. A. (see ZONTA, E. P.) 1091, 1093
MACHADO, S. G. and BAILEY, K. R. Assessment of interaction between carcinogens in long-term factorially designed animal experiments 539
MACK, G. A. Abstract 4104 322
MACKEN, C. A. Abstract 4389 799
MADEN, C. B. (see CARTER, R. L.) 331
MAGUIRE, M. G., ROHDE, C. A., and TONASCIA, J. Abstract 4367 589
MALHEIROS, E. B. and GODOI, C. R. M. Abstract 4075 317
MALLEY, J. D. Abstract 4297 577
MANLY, B. F. J. Abstract 4390 800
MANLY, B. F. J. (see CROSBIE, S. F.) 385
MANSOUR, H., NORDHEIM, E. V., and RUTLEDGE, J. J. Maximum likelihood estimation of variance components in repeated measures designs assuming autoregressive errors 287
MANTEL, N. Reader Reaction: Maximum likelihood vs minimum chi-square 777
MARACUILO, L. A. and BUSK, P. L. Abstract 4248 569
MARGOSCHES, E. H. and BAYARD, S. Abstract 4304 579
MARITZ, J. S. Abstract 4391 800
MARKS, R. G. Abstract 4251 569
MARRERO, O. Abstract 4315 580
MARRIOTT, F. H. C. Book Reviews 346, 596
MARTIER, S. (see DEBANNE, S. M.) 330
MARX, D. B. Abstract 4085 318
MARX, D. L. Abstract 4303 578
MASON, R. L. (see HEARNE, E. M.) 329
MASON, W. M. and ENTWISLE, B. Abstract 4097 320
MATÉRN, B. Abstract 4452 1081
MATTS, J. (see McHUGH, R.) 587
MAU, J. Abstract 4464 1083
MAWBY, W. D. Abstract 4106 322
MAYER, L. S. and CARROLL, S. S. Abstract 4439 809
MAYO, O. Abstract 4392 800
MAZZUCHI, T. A. Abstract 4239 567
McCLEERY, R. H. (see PERRINS, C. M.) 337
McCLISH, D. (see MUHLBAIER, L. H.) 321
McCLISH, D. and QUADE, D. Improving estimates of prevalence by repeated testing 81
McCLOUD, P. I. and DARROCH, J. N. Abstract 4393 800
McCUTCHAN, B. G. Abstract 4296 577
McGEE, D. (see RHODES, P.) 323
McGILCHRIST, C. A. (see LIANTO, S.) 799
McHUGH, R. and MATTS, J. Abstract 4354 587
McINERNEY, M. (see VELU, R.) 533
McKEAN, J. W. and SIEVERS, G. L. Abstract 4281 574
McKNIGHT, B. Abstract 4087 319
McLEAN, A. (see TEMKIN, N.) 322
McWHIRTER, J. Abstract 4394 800
MEE, R. W., OWEN, D. B., and SHYU, J.-C. Abstract 4298 578
MEETER, D. A. (see SINCLAIR, D. F.) 835, 847
MEISNER, M. (see LASKA, E. M.) 547
MENDELL, N. (see KARLOF, J.) 577
MENDELL, N. R. (see DALLAL, G.) 589
MENDES, B. M. J. (see BERGAMIN FILHO, A.) 315
MENDES, B. M. J. (see FEGIES, N. C.) 315
MESSERER, D., HASFORD, J., and NEISS, A. Abstract 4476 1085
MEYER, K. Maximum likelihood estimation of variance components for a multivariate mixed model with equal design matrices 153
MICKEY, R. M. and ELASHOFF, R. M. A generalization of the Mantel–Haenszel estimator of partial association for $2 \times 2 \times K$ tables 623
MIETTINEN, O. S. Abstract 4543 1097
MILLARD, S. P. and LETTENMAIER, D. P. Abstract 4422 806
MILLER, M. C., III and KNAPP, R. G. Abstract 4252 569
MIRANDA FILHO, J. B. (see GERALDI, I. O.) 1094
MIROWSKY, J., III (see IMREY, P. B.) 570
MISCHAN, M. M. and DePINHO, S. Z. Abstract 4506 1090
MISHRA, S. N., SHAH, A. K., and LEFANTE, J. J., Jr. Abstract 4314 580
MITTAL, Y. (see GOOD, I. J.) 567
MOESCHBERGER, M. (see HEWETT, J. E.) 582
MOESCHBERGER, M. L. (see KLEIN, J. P.) 322
MOESCHBERGER, M. L. and KLEIN, J. P. Abstract 4269 572
MOESCHBERGER, M. L. and KLEIN, J. P. A comparison of several methods of estimating the survival function when there is extreme right censoring 253
MOLLISON, D. Abstract 4220 339
MONTGOMERY, M. (see BRAUN, H. I.) 330
MORAES, R. S. (see LIMA, P. C.) 1092
MOREAU, T., LeMINOR, M., MYQUEL, P., and LELLOUCH, J. Estimation of the hazards ratio in two grouped samples 245
MORENO-NAVARRO, L. Book Review 346
MORGAN, B. J. T. Abstract 4215 338
MORGAN, B. J. T. (see CATCHPOLE, E. A.) 798
MORGAN, B. J. T. and NORTH, P. M. A model for avian lung ventilation, and the effect of accelerating stimulation in Japanese quail embryos 215
MORTENSEN, E. (see ERLANDSEN, M.) 1080
MOSES, L. E. (see EMERSON, J. D.) 303
MOSIMANN, J. E. (see SINCLAIR, D. F.) 835, 847
MUENZ, L. R. and RUBINSTEIN, L. V. Markov models for covariate dependence of binary sequences 91
MUHLBAIER, L. H., McCLISH, D., and QUADE, D. Abstract 4099 321
MÜLLER, H. G. Abstract 4475 1085
MUNIZ, J. A. and DeCAMPOS, H. Abstract 4525 1093
MYERS, D. E. Abstract 4083 318
MYQUEL, P. (see MOREAU, T.) 245

NÆS, T. Abstract 4490 1087
NAFTEL, D. C. (see BLACKSTONE, E. H.) 581
NAM, J. and GART, J. J. The ML estimation and testing of ABO-like data with no observed double recessives 455
NARAIN, P. Progeny testing with auxiliary traits 895
NÅSELL, I. Abstract 4446 1080
NEDELMAN, J. Abstract 4153 329
Abstract 4289 576

NEDELMAN, J. Estimation for a model of multiple malaria infections 447
NEISS, A. (see MESSERER, D.) 1085
NEUGEBAUER, M. and BAUR, M. P. Abstract 4474 1085
NEVES, E. M. Abstract 4520 1092
NEWBERRY, J. D. and BURK, T. E. Abstract 4170 331
NG, T.-H. (see CRUMP, K. S.) 321
NICHOLAS, H. (see ATILGAN, T.) 327
NICHOLS, J. D. (see POLLOCK, K. H.) 399
NICHOLS, J. D., HINES, J. E., HEPP, G. R., STROMBORG, K. L., and GRUE, C. E. Abstract 4255 570
NICHOLS, J. D., POLLOCK, K. H., and CONROY, M. J. Abstract 4078 317
NIENHAUS, R. H., KOCH, A. S., and ASCHMANN, H. Abstract 4465 1083
NISSEN, Ø. Abstract 4489 1087
NISSEN, Ø. (see RINGLUND, K.) 1088
NOGUEIRA, M. C. S and CAMPOS, H. Abstract 4518 1092
NOLASCO, A. (see FERRANDIS, E.) 1095
NOLETO, A. Q. (see ANDRADE, D. F.) 1090
NORDHEIM, E. V. (see MANSOUR, H.) 287
NORDHEIM, E. V. (see RAUBERTAS, R. F.) 580
NORELL, S. E. (see AHLBOM, A.) 1094
NORTH, P. M. (see MORGAN, B. J. T.) 215
NURMINEN, M. Abstract 4544 1097

OAKES, D. Abstract 4155 329
O'BRIEN, K. F., CHRISTIAN, R. R., and BRINSON, M. M. Abstract 4148 328
O'BRIEN, P. C. and DYCK, P. J. A runs test based on run lengths 237
Correction 821
O'BRIEN, P. C. and DYCK, P. J. Response to Reader Reaction: Choice of weights for the O'Brien–Dyck runs test 1073
O'BRIEN, T. G. Abstract 4352 587
O'FALLON, W. (see GEORGE, S.) 569
OGATA, Y. and TANEMURA, M. Estimation of interaction potentials of marked spatial point patterns through the maximum likelihood method 421
OLESEN, J. E. Abstract 4491 1087
O'NEILL, T. J. Abstract 4395 801
ORDOUKHANI, N. K. Abstract 4194 335
Abstract 4347 586
ORTIZ, M. Abstract 4426 806
OTIS, D. L. Abstract 4256 570
OTTO, M. C. and POLLOCK, K. H. Abstract 4242 568
OWEN, D. B. (see MEE, R. W.) 578

PADGETT, W. J. and SPURRIER, J. D. Abstract 4274 573
PADOVANI, C. R. and BARBIN, D. Abstract 4514 1091
PAIVA, S. B. (see FEGIES, N. C.) 315
PAJAK, T. F. and IGLEWICZ, B. Abstract 4146 328
PALTA, M. Abstract 4321 581
PALTA, M. Investigating maximum power losses in survival studies with nonstratified randomization 497
PANTULA, S. G. and POLLOCK, K. H. Nested analysis of variance with autocorrelated errors 909
PARKER, R. A. Abstract 4339 585
PARKHURST, A. M. and FRANCIS, C. A. Abstract 4130 325
PASSING, H. and BABLOK, W. Abstract 4479 1086
PATEL, H. I. (see BRISTOL, D. R.) 587
PATEL, H. I. (see CASTELLANA, J. V.) 969
PATERSON, L. Abstract 4492 1087
PATIL, G. P. (see BOSWELL, M. T.) 587
PATIL, G. P. and TAILLIE, C. Abstract 4350 586
PATON, G. Abstract 4219 339
PATTERSON, H. D. Abstract 4493 1088
PEARCE, S. C. Book Review 592
PEIXOTO, T. C., CORRÊA DA SILVA, J. G., and BARRETO, J. N. Abstract 4523 1093
PEMBERTON, J. D. (see ANDERSON, J. A.) 875
PENNINGTON, M. Estimating the relative abundance of fish from a series of trawl surveys 197
PERDUE, S. T. Abstract 4424 806
PERECIN, D. Abstract 4069 315
PERECIN, D. (see PEREIRA, G. T.) 1090, 1092
PERECIN, D. (see SOUKUP, C. U. B.) 316
PEREIRA, G. T. and PERECIN, D. Abstract 4508 1090
Abstract 4519 1092
PERKINS, L. L. and RANDLES, R. H. Abstract 4191 335
PERRINS, C. M. and McCLEERY, R. H. Abstract 4208 337
PERRY, B. P. (see WOLFE, R. A.) 566
PETERSON, E. (see WU, S.-C.) 329
PETTITT, A. N. Abstract 4396 801
PHILLIPS, G. J. and ARNOLD, J. Abstract 4293 576
PIANTADOSI, S. (see GAIL, M. H.) 327
PIERCHALA, C. E. Abstract 4180 333
PIMENTEL GOMES, F. Abstract 4074 316
PLACKETT, R. L. Book Review 811
PLANT, R. E. and WILSON, L. T. A Bayesian method for sequential sampling and forecasting in agricultural pest management 203
POLANSKY, M. (see BAILAR, J. C., III) 320
POLANSKY, M. (see LAVORI, P. W.) 320
POLANSKY, M. (see LOUIS, T. A.) 319
POLLARD, R. Abstract 4397 801
POLLOCK, K. H. (see BROWNIE, C.) 411
POLLOCK, K. H. (see NICHOLS, J. D.) 317
POLLOCK, K. H. (see OTTO, M. C.) 568
POLLOCK, K. H. (see PANTULA, S. G.) 909
POLLOCK, K. H. (see WINTERSTEIN, S. R.) 581
POLLOCK, K. H., HINES, J. E., and NICHOLS, J. D. Goodness-of-fit tests for open capture–recapture models 399
POLLOCK, K. H., LANCIA, R. A., CONNER, M. C., and WOOD, B. L. A new change-in-ratio procedure robust to unequal catchability of types of animal 653
POMPE-KIRN, V. (see BROOKMEYER, R.) 585
POPA, V. T. (see DAVIS, C. B.) 328
PORTIER, C. J. Abstract 4236 567
PORTIER, K. M. and RAO, P. V. Abstract 4241 568
POTTHOFF, R. F. Reader Reaction: Choice of weights for the O'Brien–Dyck runs test 1071

QUADE, D. (see McCLISH, D.) 81
QUADE, D. (see MUHLBAIER, L. H.) 321
QUADE, D. (see SHEN, C. D.) 575
QUEIROZ RIBEIRO, V. (see CORRÊA DA SILVA, E.) 1092
QUESENBERRY, C. P. Abstract 4226 565

RACINE-POON, A. A Bayesian approach to nonlinear random effects models 1015
RAI, K. (see VAN RYZIN, J.) 572
RAI, K. and VAN RYZIN, J. A dose–response model for teratological experiments involving quantal responses 1
RAISON, J. M. (see ROBERTS, E. A.) 802
RAMASWAMY, K. and HAM, K. S. Abstract 4206 337
RAMIREZ, D. E. (see BOZDOGAN, H.) 335, 578
RAMSEY, F. L. Abstract 4427 806
RANDLES, R. H. (see PERKINS, L. L.) 335
RAO, B. R. (see BURGUT, H. R.) 336
RAO, P. V. (see PORTIER, K. M.) 568
RAUBERTAS, R. F. and NORDHEIM, E. V. Abstract 4311 580
REID, N. (see CRÉPEAU, H.) 505
REILLY, A. and SEDRANSK, N. Abstract 4205 337
REINKEN, J. Abstract 4398 801
REMMERS, A. (see LEHMACHER, W.) 1083
REMPE, U. Abstract 4466 1083
Abstract 4467 1083
RENNER, R. M. (see DALE, J. D.) 801
RENNOLLS, K. Abstract 4212 338
RENSHAW, E. Book Review 814
REPGES, R. (see WETTER, T.) 1084
REYNOLDS, M. R., Jr. Abstract 4260 571
RHOADES, D. A. Abstract 4400 802
RHODES, P. Abstract 4318 581
RHODES, P., McGEE, D., and BAUGHMAN, A. Abstract 4116 323
RICHARDS, T. (see BRAUN, H. I.) 330
RICHARDSON, S. C. Correspondence 1077
RIEDE, C. R. and BARRETO, J. N. Abstract 4522 1093
RINGLUND, K. and NISSEN, Ø. Abstract 4494 1088
RISCH, N. Correspondence 312
ROBERTS, E. A. and RAISON, J. M. Abstract 4401 802
ROBERTS, M. G., LAWSON, R. G., and GEMMELL, M. A. Abstract 4402 802
ROBERTSON, J. L. (see SMITH, K. C.) 781
ROBINS, J. M. Abstract 4166 331
ROBINS, J. M. (see GREENLAND, S.) 55
ROBSON, D. S. Abstract 4403 802
ROCKE, D. M. Correspondence 563
RODVALL, Y. (see AHLBOM, A.) 1094
ROHDE, C. A. (see MAGUIRE, M. G.) 589
ROSA, D. A. and STANEK, E. J., III Abstract 4358 588
ROSENBAUM, P. R. and RUBIN, D. B. The bias due to incomplete matching 103
ROSENBERG, S. H. (see HUI, S. L.) 11
ROSNER, B. Abstract 4147 328
ROSNER, G. L. (see TSIATIS, A. A.) 334
ROTH, A. J. (see SELWYN, M. R.) 332
ROTH, A. J., SELWYN, M. R., and WEEKS, B. J. Abstract 4175 332
ROTHE, G. Abstract 4473 1085
ROUANET, H. (see LECOUTRE, B.) 1089
ROUTLEDGE, R. Abstract 4453 1081
ROUTLEDGE, R. D. (see JOHNSON, E. G.) 669
RUBIN, D. B. (see ROSENBAUM, P. R.) 103
RUBINSTEIN, L. V. (see MUENZ, L. R.) 91
RUDEMO, M. Abstract 4444 1079
Abstract 4495 1088
RUSSELL, K. G. Abstract 4404 802
RUST, P. F. Abstract 4363 588
RUTLEDGE, J. J. (see MANSOUR, H.) 287
RYAN, L. M. Abstract 4237 567
RYAN, L. M. Efficiency of age-adjusted tests in animal carcinogenicity experiments 525
RYAN, L. M. and LAGAKOS, S. W. Abstract 4088 319

SAHÃO, J., Jr and CRUZ, V. F. Abstract 4512 1091
SAID, S. E. and DICKEY, D. A. Abstract 4279 574
SALMOND, C. Abstract 4405 803
SAMARANAYAKE, V. K. (see WILSON, I. M.) 599
SAMUHEL, M. E. Abstract 4288 575
SANTNER, T. (see DUFFY, D.) 580
SAPPINGTON, E. N. (see LENGERICH, R. A.) 582
SAVILLE, D. J. Abstract 4406 803
SAVIN, N. E. (see SMITH, K. C.) 781
SCALIA-TOMBA, G. Abstract 4445 1079
SCHOENFELD, D. (see TSIATIS, A. A.) 319
SCHREUDER, H. T. and THOMAS, C. E. Abstract 4429 807
SCHULZ, K. (see LEHMACHER, W.) 1083
SCHWAB, B. H. and CHINCHILLI, V. M. Abstract 4301 578
SCHWAB, L. H. and WU, S.-C. Abstract 4113 323
SCHWARZ, C. J. (see ARNASON, A. N.) 317
SCHWARZBACH, E. Abstract 4496 1088
SCOTT, A. J. Abstract 4407 803
SEARLE, S. R. Abstract 4408 803
SEDRANSK, J. (see SMITH, S. J.) 331
SEDRANSK, N. (see REILLY, A.) 337
SEEGER, P. Abstract 4497 1088
SELF, S. G. (see BROOKMEYER, R.) 129
SELF, S. G. and GROSSMAN, E. Abstract 4115 323
SELWYN, M. R. (see ROTH, A. J.) 332
SELWYN, M. R. and BEISER, A. Abstract 4238 567
SELWYN, M. R., HALL, N. R., and DEMPSTER, A. P. Correspondence 561
SELWYN, M. R., ROTH, A. J., and WEEKS, B. J. Abstract 4174 332
SEN, P. Abstract 4331 583
SEN, P. K. and HABIB, M. Abstract 4245 568
SENN, S. J. and BROWN, R. A. Reader Reaction: Estimating treatment effects in clinical trials subject to regression to the mean 555
SHAH, A. K. (see MISHRA, S. N.) 580
SHAMSA, F. and HURST, D. Abstract 4160 330
SHANMUGAM, R. An intervened Poisson distribution and its medical application 1025
SHARMA, D. Abstract 4409 803
SHEN, C. D. and QUADE, D. Abstract 4287 575
SHOEMAKER, C. A. (see STEDINGER, J. R.) 691
SHUSTER, J. J. Abstract 4122 324
SHUSTER, J. J. (see FINMAN, J. S.) 588
SHUSTER, J. J. (see SUISSA, S.) 333

SHYU, J.-C. (see MEE, R. W.) 578
SIEBER, W. K., Jr. Abstract 4121 324
SIECK, R. F. (see BASSON, R. P.) 585
SIELKEN, R. L., Jr. Abstract 4305 579
SIEVERS, G. L. (see McKEAN, J. W.) 574
SILVEIRA, J. V. (see DUARTE, G. S.) Abstract 4510 1091
SILVEIRA JUNIOR, P. (see ZONTA, E. P.) 1091
SIM, D. A. Abstract 4177 332
SIMON, R. (see GAIL, M.) 361
SINCLAIR, D. F. Abstract 4410 803
SINCLAIR, D. F., MOSIMANN, J. E., and MEETER, D. A. Tests for character displacement 835
SINCLAIR, D. F., MOSIMANN, J. E., and MEETER, D. A. Tests for deletion 847
SINGH, J. (see CHEN, C. C.) 334
SKALSKI, J. R. Abstract 4254 570
SKOPEK, T. R. (see ADAMS, W. T.) 589
SKOVGAARD, I. Abstract 4498 1088
SMEETON, N. G. Correspondence 795
SMITH, C. E. Abstract 4334 584
SMITH, C. E. and COBB, L. Abstract 4198 335
SMITH, G. L. Book Review 342
SMITH, J. T. (see COLGAN, P. W.) 227
SMITH, J. T. (see GERAMITA, J. M.) 281
SMITH, K. C., ROBERTSON, J. L., and SAVIN, N. E. Response to Reader Reaction: Maximum likelihood vs. minimum chi-square 781
SMITH, P. J. (see SMITH, S. J.) 331
SMITH, R. L. (see WEI, L. J.) 319
SMITH, S. J., SEDRANSK, J., and SMITH, P. J. Abstract 4168 331
SMYTHE, R. T. (see WEI, L. J.) 319
SNAPINN, S. M. Abstract 4366 589
SNAPINN, S. M. (see LENGERICH, R. A.) 582
SOKAL, R. R. Book Review 345
SOKOL, R. J. (see DEBANNE, S. M.) 330
SOMS, A. P. Simplified point and interval estimation for removal trapping 663
SOUKUP, C. U. B., PERECIN, D., and DEMATÊ, M. E. S. P. Abstract 4073 316
SPEED, T. P. Abstract 4411 804
SPEZZAFERRI, F. A note on multivariate calibration experiments 267
SPIVEY, L. B. and GROSS, A. J. Abstract 4114 323
SPRENT, P. Book Review 344
SPURRIER, J. D. (see PADGETT, W. J.) 573
SPURRIER, J. D. and EDWARDS, D. Abstract 4131 325
STABLEIN, D. M. Correspondence 1076
STABLEIN, D. M. and KOUTROUVELIS, I. A. A two-sample test sensitive to crossing hazards in uncensored and singly censored data 643
STANEK, E. (see GRAY, H.) 325
STANEK, E. J., III (see ROSA, D. A.) 588
STARR, T. B. Abstract 4119 324
STARR, T. B. (see BOYLE, K. E.) 576
STEDINGER, J. R., SHOEMAKER, C. A., and TENGA, R. F. A stochastic model of insect phenology for a population with spatially variable development rates 691
STEINER, R. P. (see WOLFE, R. A.) 566
STEINER, R. P. and WOLFE, R. A. Abstract 4329 583
STENE, J. Abstract 4450 1080
Abstract 4545 1097
STENSETH, N. C. Abstract 4459 1082
STERN, R. D. (see WILSON, I. M.) 599
STITT, L. W. (see WALTER, S. D.) 585
STOBER, J. A. (see CRUMP, K. S.) 321
STODDARD, A. M. and CALABRESE, E. J. Abstract 4337 584
STOKES, T. K. Abstract 4209 337
STRATTON, I. M. (see ARMITAGE, P.) 353
STRAWDERMAN, W. E. (see GREEN, E. J.) 571
STROMBORG, K. L. (see NICHOLS, J. D.) 570
STURT, E. Correspondence 311
SUISSA, S. and SHUSTER, J. J. Abstract 4181 333
SWAROOP, R. and KULKARNI, R. Abstract 4430 807
SYMONS, M. J. (see GAYNOR, J. J.) 331
SYMONS, M. J. and DESJARDINS, R. B. Abstract 4270 573

TAILLIE, C. (see PATIL, G. P.) 586
TAMHANE, A. C. and HOCHBERG, Y. Abstract 4257 571
TAN, W. Y. and GAIL, M. H. Abstract 4359 588
TANEMURA, M. (see OGATA, Y.) 421
TEMKIN, N., DIKMEN, S., and McLEAN, A. Abstract 4110 322
TENGA, R. F. (see STEDINGER, J. R.) 691
TER BRAAK, C. J. F. Correspondence analysis of incidence and abundance data: Properties in terms of a unimodal response model 859
THALER, H. T. (see LOCKHART, S. H.) 334
THOMAS, C. E. (see SCHREUDER, H. T.) 807
THOMAS. R. G. Abstract 4276 573
THOMPSON, C. J. Abstract 4412 804
THURMOND, M. T. (see CARTER, R. L.) 331
TILLEY, B. C. (see GEORGE, S.) 569
TILLIL, H. and KÖBBERLING, J. Abstract 4468 1083
TODD, M. J. (see BENNETT, D. A.) 586
TOMASSON, H. Abstract 4546 1098
TONASCIA, J. (see MAGUIRE, M. G.) 589
TRAVADE, PH. (see CHASTANG, CL.) 1090
TRIGGS, M. Abstract 4413 804
TRITTON, L. M. (see VALENTINE, H. T.) 571
TSIATIS, A. A. (see WANG, S. K.) 587
TSIATIS, A. A. and ROSNER, G. L. Abstract 4187 334
TSIATIS, A. A. and SCHOENFELD, D. Abstract 4091 319
TSUJITANI, M. Abstract 4365 589
TSUTAKAWA, R. K. Abstract 4231 566
TSUTAKAWA, R. K. Estimation of cancer mortality rates: A Bayesian analysis of small frequencies 69
TU, E. J.-C. and LIANG, J. Abstract 4340 585
TUKEY, J. W., CIMINERA, J. L., and HEYSE, J. F. Testing the statistical certainty of a response to increasing doses of a drug 295
TURNER, M. C. (see BLACKSTONE, E. H.) 581

UCKUN, F. (see GOLDMAN, A. I.) 579
UGLAND, K. I. Abstract 4443 1079
UPTON, G. J. G. Abstract 4218 338
Book Review 344
UTTS, J. Abstract 4433 807

VACEK, P. M. The effect of conditional dependence on the evaluation of diagnostic tests 959
VALENTINE, H. T., FURNIVAL, G. M., and TRITTON, L. M. Abstract 4261 571
VAN RYZIN, J. (see RAI, K.) 1
VAN RYZIN, J. and RAI, K. Abstract 4263 572
VARDI, Y. (see DENBY, L.) 583
VEIGA, R. D. (see DUARTE, G. S.) 1091
VELU, R. and McINERNEY, M. A note on statistical methods adjusting for intraclass correlation 533
VERNON, W. B. (see DELONG, E. R.) 947
VILA, J. P. Abstract 4499 1089
Abstract 4500 1089
VØLUND, A. Response to Reader Reaction: Multivariate bioassay 551

WACHOLDER, S. Abstract 4322 582
WAGNER, J. F. (see BASSON, R. P.) 585
WAHRENDORF, J. (see BECHER, H.) 1082
WALLENSTEIN, S. Abstract 4277 574
WALTER, S. D. Abstract 4547 1098
WALTER, S. D. and STITT, L. W. Abstract 4338 585
WALTON, G. S. Abstract 4200 336
WAMPLER, G. L. (see CARTER, W. H.) 1076
WANG, S. K. and TSIATIS, A. A. Abstract 4356 587
WANSLEY, J. W. (see LOONEY, S. W.) 584
WARE, J. H. and LAIRD, N. M. Abstract 4080 318
WATSON, L. R., KUNE, G. A., KUNE, S., and ADENA, M. A. Abstract 4414 804
WATTERSON, G. A. Abstract 4415 805
WEDEL, H. and ÅBERG, A. Abstract 4548 1098
WEEKS, B. J. (see ROTH, A. J.) 332
WEEKS, B. J. (see SELWYN, M. R.) 332
WEI, L. J., SMYTHE, R. T., and SMITH, R. L. Abstract 4089 319
WEINBERG, C. R. On pooling across strata when frequency matching has been followed in a cohort study 117
WEIR, B. S. Abstract 4138 326
WEISS, J. N. Abstract 4124 324
WELLS, G. (see DONNER, A.) 324
WELLS, J. E. and COOPE, P. A. Abstract 4416 805
WESTFALL, P. Simultaneous small-sample multivariate Bernoulli confidence intervals 1001
WESTFALL, P. H. Abstract 4142 327
WETTER, T. and REPGES, R. Abstract 4471 1084
WHITE, G. C. Abstract 4079 317
WHITE, G. C. (see ANDERSON, D. R.) 565, 807
WHITE, R. F. and GIVENS, S. V. Abstract 4345 586
WHITEHEAD, J. Designing Phase II studies in the context of a programme of clinical research 373
WHITTEMORE, A. S., FRIEND, N., BROWN, B. W., Jr, and HOLLY, E. Abstract 4440 809
WICHMANN, H. E., BECKMANN, M., and HAUPT, H. Abstract 4549 1098
WIEAND, S. H. (see GAIL, M. H.) 327
WILD, C. J. Abstract 4417 805
WILLIAMS, C. and ARNOLD, J. Abstract 4292 576
WILLIAMS, E. R. Abstract 4418 805
WILLIAMS, G. (see GEORGE, S.) 569
WILLIAMSON, M. H. Abstract 4211 338
Book Review 814
WILSON, B. K. Simultaneity and its impact on ecological regression applications 435
WILSON, I. M., ABEYASEKERA, S., STERN, R. D., and SAMARANAYAKE, V. K. Stimulating statistical progress in a developing country by a link between universities 599
WILSON, J. D. (see CARTER, W. H., Jr) 574
WILSON, K. P. (see ANDERSON, D. R.) 807
WILSON, K. R. (see ANDERSON, D. R.) 565
WILSON, L. T. (see PLANT, R. E.) 203
WILSON, P. D. and BAER, J. C. Abstract 4335 584
WILSON, S. R. Abstract 4419 805
WINTERSTEIN, S. R., POLLOCK, K. H., and CONROY, M. J. Abstract 4317 581
WITHERS, C. S. Abstract 4420 805
WITTE, D. L. (see KRAEMER, D. F.) 324
WITTES, J. T. (see LAN, K. K. G.) 1063
WOLFE, R. A. (see BELLE, S. H.) 323
WOLFE, R. A. (see FINKELSTEIN, D. M.) 933
WOLFE, R. A., (see STEINER, R. P.) 583
WOLFE, R. A., PERRY, B. P., DEVOL, E. B., and STEINER, R. P. Abstract 4230 566
WOLPERT, R. (see KALLIANPUR, G.) 568
WOOD, B. L. (see POLLOCK, K. H.) 653
WOOD, J. T. Abstract 4421 805
WOODWARD, J. A. (see BONETT, D. G.) 745
WOOLSON, R. F. (see KRAEMER, D. F.) 324
WORTHINGTON, H. V. (see ARMITAGE, P.) 353
WU, S.-C. (see SCHWAB, L. H.) 323
WU, S.-C. and PETERSON, E. Abstract 4157 329

YAMAMOTO, E. (see KUPPER, L.) 572
YAMAMOTO, E. and YANAGIMOTO, T. Abstract 4183 333
YAMASAKI, G. M. and BROMENSHENK, J. Abstract 4105 322
YANAGIMOTO, T. (see YAMAMOTO, E.) 333
YANG, G. L. Abstract 4243 568
YATES, F. Book Review 591
YOUNG, J. (see DELONGCHAMP, R.) 321
YUH, Y. S. (see CRÉPEAU, H.) 505

ZEGER, S. (see BROWN, C. H.) 573
ZEGER, S. L. and LIANG, K.-Y. Abstract 4327 582
ZELEN, M. Response to Reader Reaction: What is biostatistics? 777
ZELTERMAN, D. and GILBERT, A. Abstract 4149 328
ZONTA, E. P. and MACHADO, A. A. Abstract 4524 1093
ZONTA, E. P., MACHADO, A. A., and SILVEIRA JUNIOR, P. Abstract 4513 1091
ZUCKER, D. M. Abstract 4425 806

SUBJECT INDEX, VOLUME 41

Key words are identified by an asterisk (*).

Abundance data 859
  index 197
Academic link 599*
Accuracy of selection 895*
Aerial survey 273
Age distribution 681
  adjusted 525
Alcoholism 1002
Allelic frequencies 727*
Allopatric 835*
Analysis of variance 39*, 533*
Anderson–Darling 520
Animal experiment 544, 751*
  population sizes 653
  toxicity studies 295*
Arthropod populations 212
Association 56
Asymptotic confidence intervals 663*
  efficiency 875*
  relative efficiency 525*
Autocorrelated errors 19*
Autoregressive 287
  first-order 353*
  integrated moving average (ARIMA) model 197*
  processes 909*
Auxiliary traits 895*
Avian lung ventilation 215*

Balsam fir 691*
Band return models 411*
Bartlett's test 849
Bathtub-shaped hazard function distribution 254
Bayes 69*
  empirical 69*
  estimates 1015*
  factor 979*
Bayesian analysis 979*
  inference 267*
  sampling 203*
Behrens–Fisher problem 261*
Bernoulli trials 237
Beta family of priors 205
Binary data 55*, 91*
  marked point patterns 421*
  sequences 91
Binomial estimates 85
  likelihood 205
  sampling 207
Bioassay 11*, 261*, 547, 703, 751, 777*
Bioequivalence 981
Biometric Bulletin 823*
Biometric Society 823*
  school 823*
Biometrics, Contents of 823*
Biostatistics 771, 823*
Birds 215*
Blackbirds 878
Blood pressure 81*
Bobcat 917
Bonferroni 1002
Bootstrap 703*, 1001*
Bradley–Terry model 230
Branching processes 681*
Breeding worth 895
Brownian bridges 519

Calibration 267*
Cancer 49, 51, 52, 69*, 921, 933
Canonical transformation 153*
Capture–recapture 281*, 385*, 399*, 1031*
  models 411*
Carcinogenesis bioassay 751*
Carcinogenicity 525, 933
Carcinogens 539*
Cardiovascular effects 11
Carryover effects 969, 979
Case–control studies 55, 609*, 637
Categorical data 623*, 745*, 991*
Category matching 117*
Causal effects 103*
Cell cycle times 681*
  population growth 681*
Censored data 245*, 643, 933, 1063*
  sample 557
Censoring 129*, 253*, 507, 733*, 949
Change-in-ratio technique 653*
Character displacement 835*, 847
Chi-square tests 399, 455
Cholera 1025
Clam surveys 1053*
Classification 81*
Clinical research 373*
Clinical trials 303, 361*, 373*, 933, 969, 979*, 1039*
  multicenter 969*, 991*
  multistage, 741*
  phase II 373*, 741
Cluster analysis 39*
Clustering 238
  means 39
Cohort studies 55*, 117*
Colonization 847
Compartment model 1019
Competing risks 49*
Competitive exclusion 847*
Components of variance 287*
Computing facilities 599*
Conditional dependence 959*
  maximum likelihood 387
  Poisson distribution 745*
Confidence band 515*
  intervals 137*, 167*, 663*, 1001
  joint level 1001*
  limits 741*
  multivariate Bernoulli 1001*
  region 14
Confounding 117*
Consistency 777*
Constrained estimation 745*
Consultancy 599*
Contiguous ratios 836, 847
Contingency tables 303*, 399, 745
Convex laminae 1049*
Correlated errors 287*
Correlation 295*
  interclass 167*
  intraclass 533*
  polychoric 875*
Correspondence analysis 859*
Costs 887*
Covariance adjustment 19*, 875
  Delta-CP 625
  Delta-X 625
  models 91*
Coverage process 1049*
Cox partial likelihood 733
Cox regression model 921*
Crossing hazards 643
Crossover design 969, 979
Cucumbers 915
Cumulative distribution 515*
  hazard rate 254
Cutpoints 875*, 947
Cytosolic hydrogen potential 469

DMF scores 353*
Deletion 847
Dental trials 353*
Derivative (estimation) 467*
Derivative-free function optimization 387
Detection curve 670
  function 177
Detrended correspondence analysis 859*
Developing countries 599*
Development rate 693
  time 693
Diabetes 921*
Diagnostic tests 81*, 947, 959
Dichotomous 88, 933*
Differential mortality 751*
Dirichlet–multinomial 691*
Discrete logistic model 947*
Discriminant function 17
Dolphins 273*
Dominant lethal assay 7

Données censurées (Censored data) 245*
Doubling time 681
Dual scaling 859*
Dunnett's procedure 297

EM algorithm 275, 933*, 1015*
Echocardiography 12
Ecological regression 435*
Ecology 421, 835*, 847*, 859*
Empirical Bayes 69*
Enuresis 981
Environmental hazards 785*
Epidemiology 49*, 55*, 69, 609, 785*
Equilibrium configurations 422
Etourneau 1031*
Eugenics 823*
Exact test in contingency tables 303*
Excess mortality 921*
Expected normal scores 505*
Exponential 254
  quadratic 179
Extinction rates 417
Extra-binomial variation 991*
Extreme deviate from sample mean 1045*

F ratio 39*
Factorial designs 539*
Failure time 253, 933, 949
False negative 741, 959
  positive 741, 959
Familial data 167
Feeding behaviour 227
Field trials 887
Fieller's theorem 11*, 261*, 547*
Fisher information matrix 4
Fitting constants 991
Fixed calendar time 1039*
Follow-up data 49
  studies 129*, 733*, 921
Forecasting 203
Formal correlation 295*
Fossil data 411*
Fourier series 177*
Frequency matching 117*
Funding agencies 599*

GSK model 745*
Gehan statistic 1065
Generalized least squares 477*, 910
  linear models 859*
  Wilcoxon statistic 1063*
Generation-time distribution 681
Genetic correlations 895
  gain 887
  improvement 895*
  progress 1045
Genotype 727
  × environment interaction 887*
Gibbs distribution 421*
Gluconeogenesis 469
Goodness-of-fit 1*, 399*
Group-sequential methods 353*, 1039*
Grouped continuous model 875*
  samples 245
Growth curves 19*, 29*, 1015
  rate 681

HLA-disease association 1001*
Half-normal 179
Hallett–Pimm regression 435
Hazard function 50
  rate 177*
Hazards, proportional 2, 49*, 539*, 733*, 933
  ratio 245*, 733
Heather 1051
Hepatocytes 467*
  lactate metabolism 468
Heritability 137*
Hermite polynomials 177*
Heterogeneity 403
Hierarchical model 1015*
Hodgkin's disease 303
Hoel–Walburg test 525*, 751*
Hotelling's T^2 distribution 14
Hypergeometric distribution 399*

Ignorable treatment assignment 103*
Imbalance 497*
Incidence data 859
Incomplete block designs 477
  data 447*, 505*
  matching 103
Independence 237*
Inference sufficiency 20
Infinite-server queue 447*
Information criterion 267*
  matrix 4
  Shannon 267
Insect development 691*
Insulin-dependent diabetes 921*
Integrated pest management programs 691
Interaction 361*, 362, 539, 887*
Interclass correlations 167*
Interim analyses 353*
International cooperation 599*
Intervened Poisson distribution 1025
Intraclass correlation 533*
Intrinsic preferences model 230
Isobolograms 711*
Isotropy 1049

Joint plot 859*
Jolly–Seber methods 281
  model 385*, 399*

Kaplan–Meier estimate 129, 253*, 938
Kidney transplant 948
Kingfishers 843
Kolmogorov–Smirnov 515*, 643

Lactate 467*
Large-sample asymptotics 487*
Latent variables 859
Lattice 1049*
Least squares 13, 777*
Life-testing 253*
Likelihood ratio tests 361*
Lindley's approximation 73
Line transect sampling 177*, 273*, 669*
Linear logit model 227*
  models 287*, 539*
Livestock breeding 895
Location parameter 254
Log relative risk 1*, 51
Log-likelihood functions 540
  approximated 421*
Log-linear model 385, 623*, 745*
Log-normal 254
Log-odds 527
Log-rank statistic 1063*
  test 525*, 1039*
Log-uniform distribution 835*
Logistic 933*
  model 751, 947*
  regression 93, 751*
Logit 711*
  analysis 777*
Longevity 525
Longitudinal studies 91*, 447*, 933
Lotka–Volterra equations 435*
Love Canal 785
Low-dose extrapolation 1*
Luteinizing hormone levels 29*

MANOVA 11*, 511
MINQUE 479
MIVQUE 479
Macdonald–Dietz model 447
Malthusian parameter 681
Mammary tumors 539*
Mann–Whitney procedure 303*
  statistic 1065
Mantel statistic 1064
Mantel–Haenszel estimator 55*, 245, 637* 733
  procedure 1064
  techniques 623*
  test 609, 751
  variance 1039
Mapping 711*
Marginal posterior distributions 74
Mark–recapture 281
Markov chains 91*
Matched pairs 103
Matching 103*
Maximizing selection gains 1045*
Maximum likelihood estimation 1*, 15, 81*, 179, 197, 219, 385*, 411*, 421, 447*, 505, 547, 557, 727*, 777*, 859, 875*, 910, 922, 935, 959*, 1015*
  conditional 387
  restricted 153*, 479
Maximum tolerated dose 299
Mayer *f*-functions 422
Meadow vole 399
Measurement error 197*
Metabolic regulation 467*
Metabolism 467*
Method of moments 556
Metropolis procedure 426

Minimum chi-square 777*
Mixed effects 534
Mixed models 137*, 153*, 287*, 477*, 969, 991*
Mixture of discrete distributions 1025*
Mixtures of toxicants 711
Model selection 421*
Modelling 215*
Mollusca 418
Monitoring 947*
Monte Carlo steps 428
Morbidity ratio 117
Mortality rates 69*
Mosaic process 1049*
Multicenter clinical trial 969*, 991*
Multinomial 745
Multiple comparisons 29*
  failures 50
  toxicity model 711*
Multiplicity of statistical tests 295*
Multistage clinical trials 741*
Multivariate analysis of variance 505*, 909*
  bioassay 547*, 703
  mixed model 153*
  normal distribution 875*
  regression 267*
  responses 507
  slope ratio assay 11

Negative binomial 204
  exponential 179
Nested design 533*
Neuropathy 238
Neyman allocation 1054
No-statistical-significance-of-trend dose 295*
Nonequilibrium thermodynamics 467*
Noninformative prior 75
Nonlinear random effects models 1015
Nonparametric density estimation 669*
  estimation 609*
  methods 303*
Nonstratified randomization 497

Observational studies 103*
Odds ratio 623*, 637*
Omnibus chi-square tests 455
One-hit model 2
One-way classification 512
Optimization 387, 887*
Optimum allocation 1054
  stratification points 1053*
Order statistics 254, 847*
Ordered categorical data 303*, 875*
Ornithology 215*

P-statistic 1065
Paired comparisons 227*
Pairwise potential functions 421*
Parallel-line bioassay 703*
Parent and child 167
Partial association 623*
Partial likelihood 947*
  Cox 733
  procedure 922
Percentile shift 609
Permutation tests 29*
Perpendicular distance models 177
Pest management 203*
Peto–Peto statistic 1066
Petrie matrix 859
Pharmacokinetics 1015
Phase II clinical trials 373*, 741
Phenology 691*
Phenomenological coefficient 467*
Pilot studies 373*
Poisson distribution 69, 745*
  intervened 1025
  process 1049*
Polychoric correlation 875*
Pooling strata 117
Population density estimation 669*
  mortality 921*
Population size estimator 653, 663
Post-stratification 497*
Potthoff–Roy model 11*
Power 497*
Power series distribution 1025*
Prediction 129*
Predictive value negative 947*
  positive 947*
Preference transitivity 227*
Prevalence 81
  test 525*
Probit analysis 711*, 777*
Product-limit estimator 253
Progeny testing 887*, 895*
Proof of safety 785*
Propensity scores 103*
Proportional allocation 1054
Proportional hazards 2, 49*, 539*, 733*, 933
Proportions test 525
Pyruvate 467*

Quail 215*
Qualitative interactions 361*
Quantal response 711*, 777*
Quantile distance 515*
Quantitative interactions 361
Quota sampling 117*

REML 153, 479
Radio-telemetry 909
Random effects 69*, 835*, 847*
  nonlinear 1015
Randomization analysis 29
  nonstratified 497
Randomness 237*
Rank statistics 643
Rank tests for censored data 1063*
Ranking 235
Ratio estimation 261*, 281
Receiver–operator characteristic curve 947*
Reciprocal averaging 859*
Redox resistance 473
Reduced-form equations 436
Regression 49*
  analysis 295*
  Cox model 921*
  estimates 663*
  Hallett–Pimm 435
  models 727*, 875*
  multivariate 267*
  to the mean 555
Relative mortality 921*
  potency 547*, 703*
  risk 1*, 51, 117*
Reliability 253
Removal 653
  trapping 663
Renyi statistics 520
Repeated measurements 11*, 19*, 505*, 909*
  measures 287, 972
  testing 82
Restricted maximum likelihood 153*, 479
Retrospective studies 49*
Ridit analysis 609
Right censoring 253*
Risk assessment 785*
  difference 55*
  ratio 55*
  set 50
Robustness 653*
Ross model 452
Rothman–Boice estimator 733
Roy–Bose 1002
Runs 237*
  test 1071

Sample size 373, 497*
Satterthwaite procedure 263, 479
Savage statistic 644, 1063
Scalar marked point patterns 421*
Schwann cell disease 238
Score tests 91*, 751*
Screening test 81*
Second cluster integrals 422
Secular trends 921*
Selection 887
  differential 1045*
  index 895
  procedures 373*
Self-fertilization 727*
Semiparametric 933*
Sensitivity 81*, 947*, 959*
Sequential estimation 203*
  probability ratio test 204
Shannon information 267
Shape criterion 177*
  restrictions 669*
Simple independent action 539*
Simultaneous confidence intervals 1001*
  equation bias 435*
  tests 39*
Smirnov procedure 643
Smoking 51
Snow goose 283
Sparse data 55
Spatial data 424
Species packing model 859*
Specificity 81*, 947*, 959*

Split-plot designs 477, 909*
  analysis of covariance 969*
Spruce budworm 691*
Sri Lanka 599*
Stages model 215*
Standard error 281*
Starling 1031
Stationarity 91*
Statistics training 599*
Stochastic model 691*
  processes 771*
Stratification 497*
Stratum boundaries 1053*
Studentized range 39*
Subset analysis 361*
Survie 1031*
Survival analysis 129*, 253*, 643, 733*, 771*, 933*, 1063*
  data 733, 921*, 1039
  function 253*
  rates 281*
  studies 497*
Survival/sacrifice study 751*
Sympatric 835

Tarone–Ware statistic 1065
Teaching 599
Teratological data 1*
Test sites 887*
Ties 245*
Time series 197*, 287*, 909*
  score statistics 421*
Time-dependent covariates 91*
Time-to-response 643
Transition probabilities 93
Transitive odds model 230
Trapping probability 663
Trawl survey 197
Treatment by covariate interactions 361*
Treatment by subset interaction 362
Tree-breeding 887
Trend 751
  test 295*
Truncated distributions 273*
  normal 556
  sample 557
Tuberculosis 964
Tumor 530, 539*
Tumorigenicity studies 939
2 × 2 tables 487*, 623, 637
Two-period crossover design 969*, 979*
Two-stage analysis 477*
Two-step estimators 733

Unbalanced data 137*
Unequal capture probabilities 653*
Unfolding 859*
Uniform order statistics 847*
Unimodal response model 859*

Van der Waerden scores 510
Variables de milieu 1031*
Variance components 137*, 153*, 287*, 353*, 477*, 982, 991*
  heterogeneity 261*
  ratio 137
Variance:mean relationships 261*
Virtually safe dose 6

Wald statistic 510, 991*
Weibull distribution 254, 711*
Weighted least squares 55*, 745*, 991*
Wilcoxon rank sum test 303*, 609*
  statistic 1063
Wolfspiders 868

Zero-truncated Poisson distribution 1025

INDEX OF BOOKS REVIEWED

AGRESTI, A. **Analysis of Ordinal Categorical Data** (R. L. Plackett) 811

ANDERSON, T. W. **An Introduction to Multivariate Statistical Analysis, 2nd edition** (C. D. Kemp and A. W. Kemp) 815

BARNETT, V. and LEWIS, T. **Outliers in Statistical Data, 2nd edition** (H. A. David) 1099

BECKER, W. A. **Manual of Quantitative Genetics, 4th edition** (M. G. Bulmer) 1101

BOX, G. E. P., LEONARD, T., and WU, C.-F. (eds). **Scientific Inference, Data Analysis and Robustness** (C. D. Kemp and A. W. Kemp) 596

BUYSE, M. E., STAQUET, M. J., and SYLVESTER, R. J. (eds). **Cancer Clinical Trials: Methods and Practice** (L. S. Freedman) 812

CHATFIELD, C. **The Analysis of Time Series: An Introduction, 3rd edition.** (C. D. Kemp and A. W. Kemp) 597

CHIANG, C. L. **The Life Table and Its Applications** (L. Moreno-Navarro) 346

COX, D. R. and OAKES, D. **Analysis of Survival Data** (N. Breslow) 593

CRAM, W. J., JANACEK, K., RYBOVA, R., and SIGLER, K. (eds). **Membrane Transport in Plants** (D. R. Causton) 595

EVERITT, B. S. **An Introduction to Latent Variable Models** (H. Goldstein) 811

FEOLI, E., LAGONEGRO, M., and ORLOCI, L. **Information Analysis of Vegetation Data** (M. H. Williamson) 814

FOX, J. **Linear Statistical Models and Related Methods: With Applications to Social Research** (G. J. G. Upton) 344

FREEDMAN, H. I. and STROBECK, C. (eds). **Population Biology: Proceedings, Edmonton, 1982** (C. Cannings) 815

GOMEZ, K. A. and GOMEZ, A. A. **Statistical Procedures for Agricultural Research, 2nd edition** (G. H. Freeman) 342

GRIFFITHS, P. and HILL, I. D. (eds). **Applied Statistics Algorithms** (A. W. Kemp) 1100

HETTMANSPERGER, T. P. **Statistical Inference Based on Ranks** (G. H. Freeman) 1099

JAMBU, M. and LEBEAUX, M.-O. **Cluster Analysis and Data Analysis** (R. R. Sokal) 345

JEAN, R. V. **Mathematical Approach to Pattern and Form in Plant Growth** (R. D. Hunt) 594

JEFFREYS, H. **Theory of Probability, 3rd edition** (C. D. Kemp and A. W. Kemp) 597

KOHLER, W., SCHACHTEL, G. and VOLESKE, P. **Biometrie** (C. D. Kemp and A. W. Kemp) 1101

KOTZ, S., JOHNSON, N. L., and READ, C. B. (eds). **Encyclopedia of Statistical Sciences, Vol. 3. Faà di Bruno's Formula—Hypothesis Testing** (A. P. Dawid) 341

KOTZ, S., JOHNSON, N. L., and READ, C. B. (eds). **Encyclopedia of Statistical Sciences, Vol. 4. Icing the Tails—Limit Theorems** (G. L. Smith) 342

KRISHNAIAH, P. R. and KANAL, L. N. (eds). **Handbook of Statistics, Vol. 2. Classification, Pattern Recognition and Reduction of Dimensionality** (A. D. Gordon) 345

LEBART, L., MORINEAU, A., and WARWICK, K. M. **Multivariate Descriptive Statistical Analysis** (P. A. Lachenbruch) 592

LEVIN, S. A. and HALLAM, T. G. (eds). **Mathematical Ecology: Proceedings, Trieste, 1982** (E. Renshaw) 814

LORENZ, R. J. **Grundbegriffe der Biometrie** (C. D. Kemp and A. W. Kemp) 1101

MATUSITA, K. (ed.) **Statistical Theory and Data Analysis** (C. D. Kemp and A. W. Kemp) 815

MOGYORÓDI, J., VINCZE, I., and WERTZ, W. (eds). **Statistics and Probability** (C. D. Kemp and A. W. Kemp) 597

MORAN, P. A. P. **An Introduction to Probability Theory** (C. D. Kemp and A. W. Kemp) 597

MORGAN, B. J. T. **Elements of Simulation** (C. D. Kemp) 1100

MORTON, N. E., RAO, D. C., and LALOUEL, J.-M. **Methods in Genetic Epidemiology (Contributions to Epidemiology and Biostatistics, Vol. 4)** (R. N. Curnow) 595

NETER, J., WASSERMAN, W., and KUTNER, M. H. **Applied Linear Regression Models** (F. H. C. Marriott) 596

OXNARD, C. **The Order of Man: A Biomathematical Anatomy of the Primates** (R. E. Blackith) 347

PIELOU, E. C. **Interpretation of Ecological Data. A Primer on Classification and Ordination** (F. H. C. Marriott) 346

PRENTICE, R. L. and THOMPSON, D. J. (eds). **Atomic Bomb Survivor Data: Utilization and Analysis** (M. J. Campbell) 814

RAO, P. S. R. S. and SEDRANSK, J. (eds). **W. G. Cochran's Impact on Statistics** (F. Yates) 591

RATKOWSKY, D. A. **Nonlinear Regression Modelling—A Unified Practical Approach** (P. Sprent) 344

REYMENT, R. A., BLACKITH, R. E., and CAMPBELL, N. A. **Multivariate Morphometrics, 2nd edition** (M. J. R. Healy) 812

RICHARDSON, J. (ed.) **Models of Reality: Shaping Thought and Action** (S. C. Pearce) 592

RIEDL, R. **Biology of Knowledge: The Evolutionary Basis of Reason** (C. D. Kemp and A. W. Kemp) 597

ROHATGI, V. K. **Statistical Inference** (C. D. Kemp and A. W. Kemp) 1102
STOODLEY, K. **Applied and Computational Statistics: A First Course** (C. D. Kemp and A. W. Kemp) 597
TUFTE, E. R. **The Visual Display of Quantitative Information** (B. S. Everitt) 342
VAN VARK, G. N. and HOWELLS, W. W. (eds). **Multivariate Methods in Physical Anthropology** (M. J. R. Healy) 345
VOLLMAR, J. **Biometrie in der Chemisch-Pharmazeutischen Industrie 1.** (H. Flühler) 343
WHITE, J., YEATS, A., and SKIPWORTH, G. **Tables for Statisticians, 2nd edition.** (G. M. Clarke) 596
WHITFIELD, I. C. **Neurocommunications: An Introduction** (C. D. Kemp and A. W. Kemp) 597
WORLD HEALTH ORGANIZATION. **World Health Statistics Annual 1984.** (C. D. Kemp and A. W. Kemp) 1102
WORLD HEALTH ORGANIZATION. **World Health Statistics Quarterly 1984/1985.** (C. D. Kemp and A. W. Kemp) 1102